Contents of Volume 138

(Abstracted/indexed in: Chemical Abstracts; Current Contents; Physical, Chemical & Earth Sciences; INSPEC; PASCAL/CNRS)

Vol. 138 No.1
Modified log-normal particle size distribution in acoustic spectroscopy A.S. Dukhin, P.J. Goetz (Bedford Hills, NY, USA) and V. Hackley (Gaithersburg, MD, USA) The removal of copper and nickel from aqueous solution using Y zeolite ion exchangers
M.A. Keane (Leeds, UK)
Effect of γ-irradiation on the sorptive properties of alumina-supported copper oxide catalysts
A.M. Youssef (Mansoura, Egypt) and E.A. El-Sharkawy (Suez, Egypt)
Fractal approach of activated carbons from solid waste materials
K. László, A. Bóta, L.G. Nagy (Budapest, Hungary), G. Subklew and M.J. Schwuger (Jülich, Germany) Enhancement of the photoinduced electron transfer from cationic dyes to colloidal TiO ₂ particles by addition of an anionic surfactant in acidic media
P. Qu, J. Zhao, L. Zang, T. Shen (Beijing, People's Republic of China) and H. Hidaka (Tokyo, Japan)
S.S. Dukhin, N.A. Mishchuk (Kiev, Ukraine), V.B. Fainerman (Donetsk, Ukraine) and R. Miller (Berlin-Adlershof, Germany)
Effect of Ostwald ripening on styrene miniemulsion stabilized by reactive cosurfactants
C.S. Chern and T.J. Chen (Taiwan, Republic of China)
Adsorption capacity in saturated liquid mixtures
J. Goworek, R. Kusak and A. Derecka (Lublin, Poland)
Mn ²⁺ / ⁵⁴ Mn ²⁺ heterogeneous isotope exchange reaction on montmorillonite in the presence of complex-forming agents N.M. Nagy, J. Kónya and T. Budai (Debrecen, Hungary)
A comparison of the behavior of vitamin K_1 and K_2 monolayers at the air—water interface
A.B. Serfis and R. Katzenberger (St. Louis, MO, USA)
Wetting of quartz by oleic/aqueous liquids and adsorption from crude oil
X. Xie and N.R. Morrow (Laramie, WY, USA)
Stability of W ₁ /O/W ₂ multiple emulsions. Influence of ripening and interfacial interactions H.L. Rosano, F.G. Gandolfo and JD.P. Hidrot (New York, NY, USA)
Transfer of energy from thiacyanine to acridine orange and formation of exciplex between the two dyes bound to surfactants
A. Goswami and M.K. Pal (Nadia, India)
Vol. 138 Nos.2-3
Introduction
Protein transport through porous membranes: effects of colloidal interactions
A.L. Zydney and N.S. Pujar (Newark, DE, USA)
Charge effects on inorganic membrane performance in a cross-flow microfiltration process
D. Elzo, I. Huisman, E. Middelink and V. Gekas (Lund, Sweden)
Calculation of the collective diffusion coefficient of electrostatically stabilised colloidal particles W.R. Bowen and A. Mongruel (Swansea, UK)
Fouling kinetics and associated dynamics of structural modifications
J. Jacob, P. Prádanos, J.I. Calvo, A. Hernández (Valladolid, Spain) and G. Jonsson (Lyngby, Denmark)

M. Nyström (Lappeenranta, Finland), P. Aimar (Toulouse, France), S. Luque (Oviedo, Spain), M. Kulovaara and S. Metsämuuronen (Lappeenranta, Finland)	185
The capture of colloidal particles on surfaces and in porous material: basic principles	100
T.G.M. van de Ven (Montreal, Canada)	207
Coagulation of colloids in a boundary layer during cross-flow filtration	201
P. Harmant and P. Aimar (Toulouse, France)	217
The influence of polydispersity on the hydraulic behaviour of colloidal fouling layers on membranes. Perturbations	211
on the behaviour of the "ideal" colloidal layer	
R.M. McDonogh (Dassel, Germany), A.G. Fane, C.J.D. Fell (Kensington, N.S.W., Australia) and	
HC. Flemming (Duisburg, Germany)	231
	231
Cross-flow microfiltration of latex suspensions: test of different models	245
T.A. Doneva, C.S. Vassilieff and E.D. Krusteva (Sofia, Bulgaria)	243
Effect of adsorbed protein on the hydraulic permeability, membrane and streaming potential values measured	
across a microporous membrane	255
J. Benavente (Málaga, Spain) and G. Jonsson (Lyngby, Denmark)	255
Properties of the cake layer formed during crossflow microfiltration	265
I.H. Huisman, D. Elzo, E. Middelink and A.C. Trägårdh (Lund, Sweden)	265
Physicochemical aspects of polymer selection for ultrafiltration and microfiltration membranes	
E.R. Cornelissen, T. van den Boomgaard and H. Strathmann (AE Enschede, Netherlands)	283
Fouling, structure and charges of a composite inorganic microfiltration membrane	
L. Palacio, P. Prádanos, J.I. Calvo (Valladolid, Spain), G. Kherif, A. Larbot (Montpellier, France) and	
A. Hernández (Valladolid, Spain)	291
Use of electrophoretic mobility and streaming potential measurements to characterize electrokinetic properties of	
ultrafiltration and microfiltration membranes	
L. Ricq, A. Pierre, JC. Reggiani, J. Pagetti and A. Foissy (Besancon, France)	301
Cleaning results characterized by flux, streaming potential and FTIR measurements	
H. Zhu and M. Nyström (Lappeenranta, Finland)	309
Characterization of clean and fouled polymeric ultrafiltration membranes by Fourier transform IR spectroscopy-	
attenuated total reflection	
A. Pihlajamäki, P. Väisänen and M. Nyström (Lappeenranta, Finland)	323
Synthesis of novel block siloxane polymers for the removal of butanols from aqueous feed solutions	
S. Schnabel, D. Roizard, T. Nguyen, P. Lochon (Nancy, France) and P. Aptel (Toulouse, France)	335
Flow sensing at the endothelium-blood interface	
G. Siegel (Berlin, Germany), M. Malmsten (Stockholm, Sweden) and B. Lindman (Lund, Sweden)	345
Chemically and morphologically defined ultrafiltration membrane surfaces prepared by heterogeneous photo-	
initiated graft polymerization	
M. Ulbricht (Berlin, Germany), K. Richau and H. Kamusewitz (Teltow, Germany)	353
The preparation and characterization of ceramic membranes with a pillared clay top layer	555
S. Vercauteren (Boeretang, Belgium), M. Vayer, H. Van Damme (Orléans, France), J. Luyten, R. Leysen	
(Boeretang, Belgium) and E.F. Vansant (Wilrijk, Belgium)	367
Influence of depectinization on apple juice ultrafiltration	307
S. Alvarez, R. Alvarez, F.A. Riera and J. Coca (Oviedo, Spain)	377
Destabilization of cutting oil emulsions using inorganic salts as coagulants	311
G. Ríos, C. Pazos and J. Coca (Oviedo, Spain)	202
Pore size distributions of track-etched membranes; comparison of surface and bulk porosities	303
A. Hernández, J.I. Calvo, P. Prádanos and F. Tejerina (Valladolid, Spain)	201
	371
Floc size distribution in a membrane bioreactor and consequences for membrane fouling	102
C. Wisniewski and A. Grasmick (Montpellier, France)	403
Author Index	413
Subject Index	
Volume contents	